

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-198846

(43)Date of publication of application : 30.08.1991

(51)Int.Cl.

A61F 2/06

(21)Application number : 01-338543

(71)Applicant : KOKEN CO LTD

(22)Date of filing : 28.12.1989

(72)Inventor : NOISSHIKI YASU HARU
MIYATA TERUO

(30)Priority

Priority number : 364 9523 Priority date : 17.04.1989 Priority country : JP

(54) ARTIFICIAL BLOOD TUBE, MANUFACTURE THEREOF AND SUBSTRATE FOR ARTIFICIAL BLOOD TUBE



(57)Abstract:

PURPOSE: To prevent closure as caused by a thrombus by making fine pieces and cells of a tissue into a wall of an artificial blood tube from an external or internal surface of the artificial blood tube to attach and trap.

CONSTITUTION: An artificial blood tube substrate 1 is put into a transparent bag 2 such as vinyl chloride bag holding a liquid having tissue fine pieces and cells dispersed and a silicon tube with one end thereof closed and having numerous fine pores from the other end thereof or a vinyl chloride tube 3 in which a wire is wound spiral on the surface thereof to make the surface thereof convex and concave is inserted into the artificial blood tube substrate as inner bag. The inner bag is connected to a injector 4 or the like to suck. Otherwise, the cells and tissue fine piece can be attached to the artificial blood tube substrate 1 to trap by closing a cock in front of a syringe 4 to pressurize by kneading it softly. By cutting open to be a membrane-like matter, the artificial blood tube can be used as prosthetic material to

fill a missed part of an organic body, let alone pericardium and peritoneum. Thus the tissue fine pieces or cells are made to entangle on a wall of the artificial blood tube from the internal cavity side of the artificial blood tube or the external wall side thereof thereby enabling attaching and trapping of the tissue fine pieces and cells on the spot in an operation.